

FIG. 2

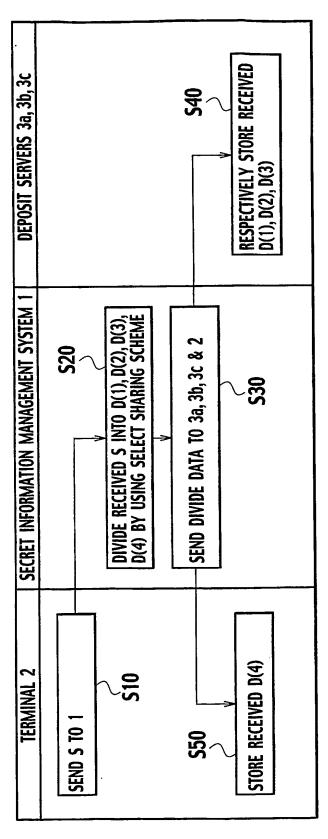


FIG. 3

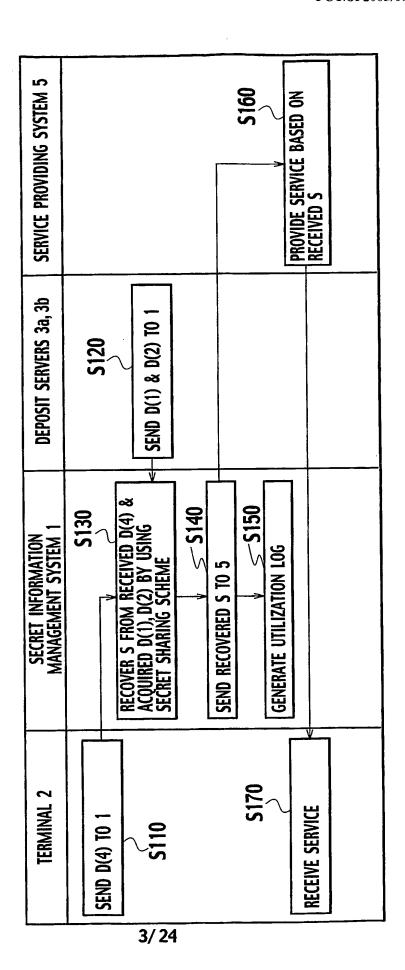
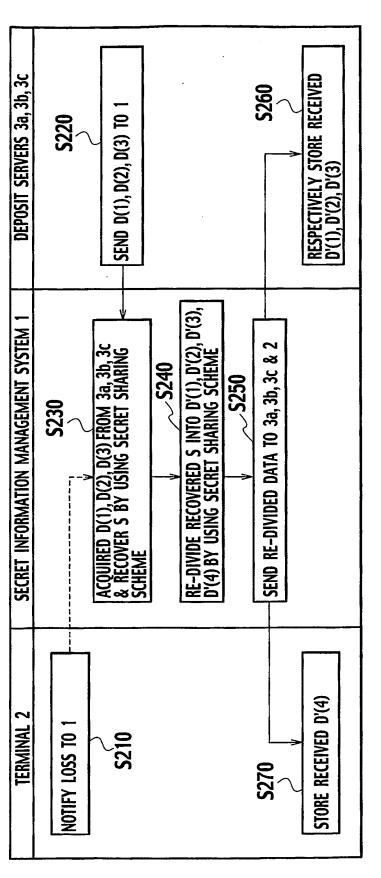


FIG. 4



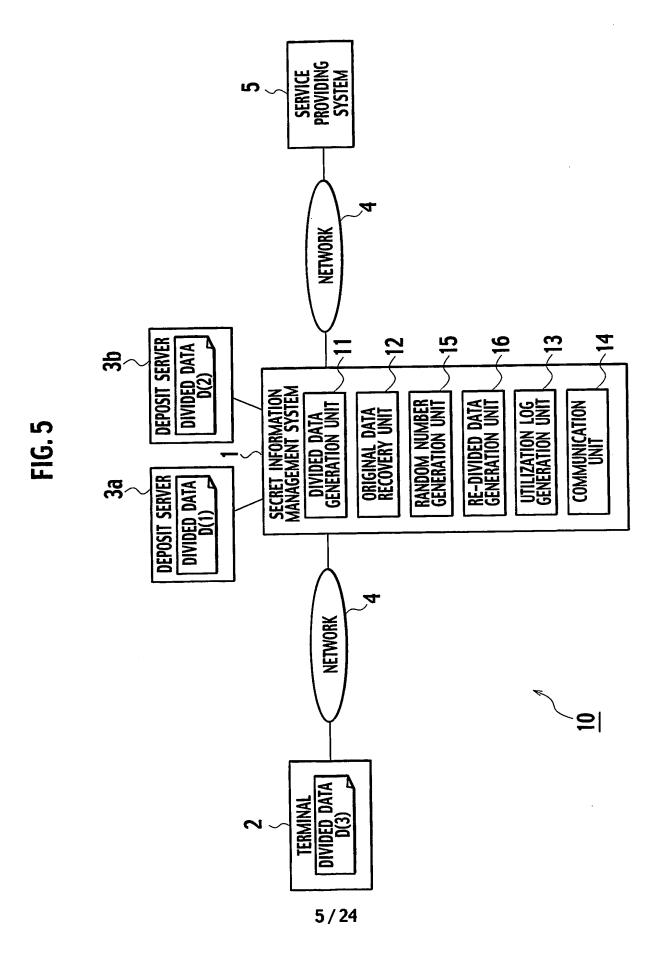
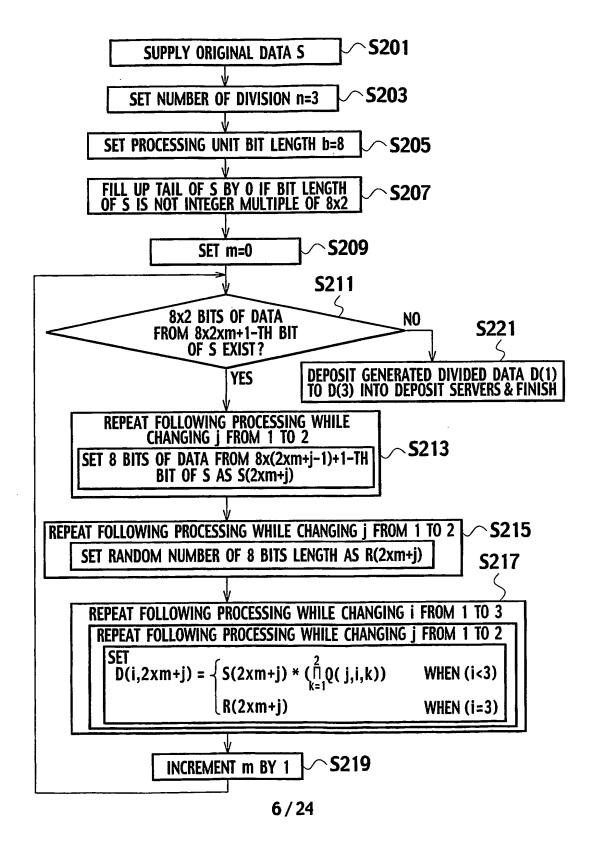


FIG. 6



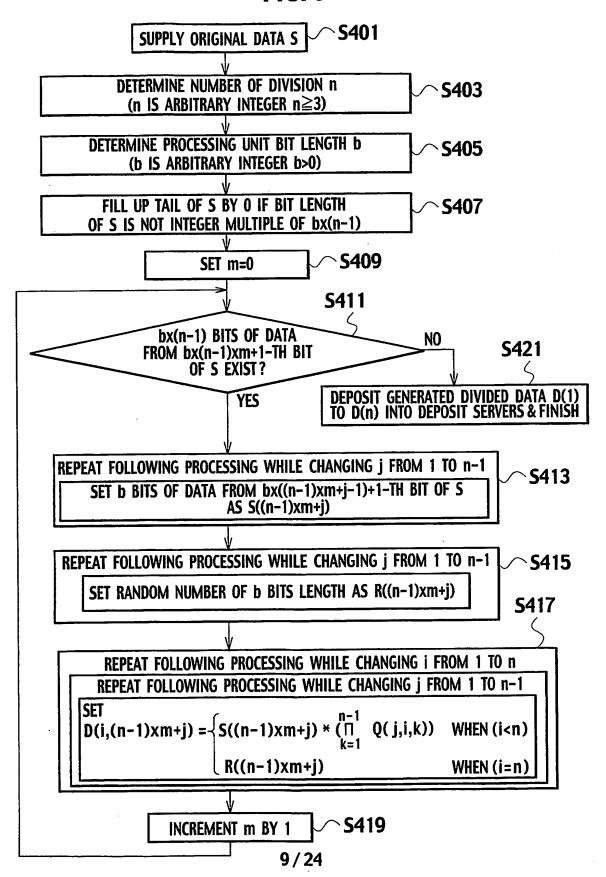
	D(1,2)*D(2,2)=(S(2)*R(1)*R(2))*(S(2)*R(2)) =R(1)	D(2,2)*R(2) =(S(2)*R(2))*R(2)	=5(2)	00110111	(2)S ↓	D(1,2)*D(3,1)*D(3,2)=(S(2)*R(1)*R(2))*R(1)*R(2) =S(2)	00110111	† 5 (2)	D(2,2)*D(3,2)=(5(2)*R(2))*R(2) =5(2)	00110111	↑ S(2)
	(1)*R(1)*R(2))*(S(1)*R(1))	D(2,1)*R(1) =(S(1)*R(1))*R(1) D(2	=5(1)	101	() S (I)	D(1,1)*D(3,1)*D(3,2)=(S(1)*R(1)*R(2))*R(1)*R(2) D(1 =S(1)	10110010	† 5(1)	D(2,1)*D(3,1)=(S(1)*R(1))*R(1) D(2 = S(1)	10110010) \$(1)
			ORIGINAL DATA RECOVERY								
5(2) 00110111 E1,2 R(2) 00110101 ATA D(1,1) j=1,2	71170	DEFINED AS S(2)*R(1)*R(2)		10110011	ATA D(2,j) j=1,2 D(2,2)	DEFIN S(2)*F	00000010	ATA D(3,j) j=1,2	DEFINED AS R(2)	00110101	
S(1) S(1) S(1) S(1) S(1) S(1) S(1) S(1)		DEFINED AS S(1)*R(1)*R(2)		00110110	DIVIDED PARTIAL DATA D(2,j) D(2,1) D(2,1)	(1)*R(1)	00000011	DIVIDED PARTIAL DATA D(3,1) j=1,2	D(3,1) Defined AS R(1)	10110001	
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DIVISION INTO THREE (n=3) ORIGINAL DATA CAN BE RECOVERED FROM ANY TWO DIVIDED DATA

		m)	S ARBITRARY I	VTEGER m>0) →CO	(m IS ARBITRARY INTEGER m>0) →CONTINUED TO TAIL OF ORIGINAL DATA S	IGINAL DATA S
VALUE OF j		2		j=2×m+1	1+	•
ORIGINAL DATA S(j)	(1)	(2)5	•	(Ds	S(j+1)	-
RANDOM NUMBER R(j)	R(1)	R(2)	•	R(j)	R(j+1)	-
DIVIDED PARTIAL DATA D(1,j) S(1)*R(1)*R(2) S(2)*R(1)*R(2)	S(1)*R(1)*R(2)	S(2)*R(1)*R(2)	-	S(J)*R(J)*R(J+1)	S(j+1)*R(j)*R(j+1)	-
DIVIDED PARTIAL DATA D(2,j) S(1)*R(1)	S(1)*R(1)	S(2) *R(2)		S(J)*R(J)	S(j+1) *R(j+1)	
DIVIDED PARTIAL DATA D(3,j)	R(1)	R(2)	•	R(j)	R(j+1)	•

FIG. 9



R(j+1)

S(j+1)*R(j)*R(j+1)

S()*R(j)

S(2)*R(1)*R(2)

DIVIDED PARTIAL DATA D(2,j) | S(1)*R(1)

B

R(2)

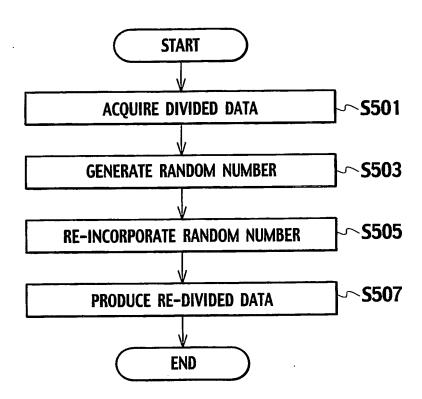
E

DIVIDED PARTIAL DATA D(3,j)

FIG. 10

VALUE OF J	1	2	• •	j=2m+1	j+1	• • •
ORIGINAL DATA S(j)	5(1)	5(2)		(Ds	S(j+1)	• • •
RANDOM NUMBER R(j)	R(1)	R(2)	•	R(j)	R(j+1)	•
DIVIDED PARTIAL DATA D(1,j) S(1)*R(1)*R(2)	S(1)*R(1)*R(2)	S(2)*R(1)*R(2)	-	S(J)*R(J)*R(J+1)	S(j+1)*R(j)*R(j+1)	
DIVIDED PARTIAL DATA D(2,j) S(1)*R(1)	S(1)*R(1)	S(2) *R(2)	•	S(J)*R(J)	S(j+1) *R(j+1)	• •
DIVIDED PARTIAL DATA D(3,j)	R(1)	R(2)	• • •	R(j)	R(J+1)	
		Δ			Δ	
		D			Þ	
		ROTATE (1, D(1, 2), D(2, 2))	, 2), D(2, 2))	œ	ROTATE (1, D(1, j+1), D(2, j+1))	. (1
		>			>	
		>			>	
IMPROVEMENT						
VALUE OF j	Į	2	• • •	j=2m+1	j+1	• • •
ORIGINAL DATA S(j)	5(1)	5(2)	• • •	(ÚS	S(j+1)	
RANDOM NUMBER R(j)	R(1)	R(2)	• •	R(j)	R(J+1)	
DIVIDED PARTIAL DATA D(1,j) S(1)*R(1)*R(2)	S(1)*R(1)*R(2)	S(2) *R(2)	•	S(J)*R(J)*R(J+1)	S(j+1) *R(j+1)	

FIG. 11



FIG, 12

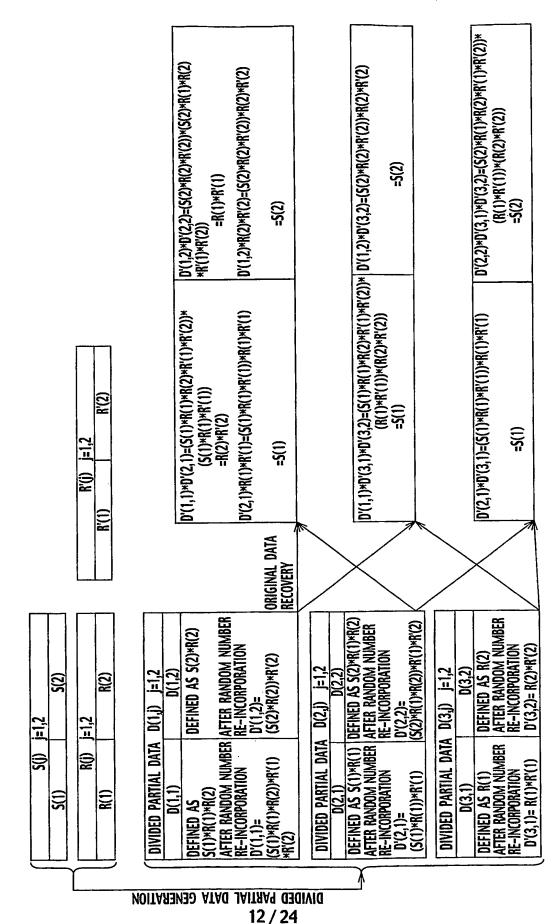
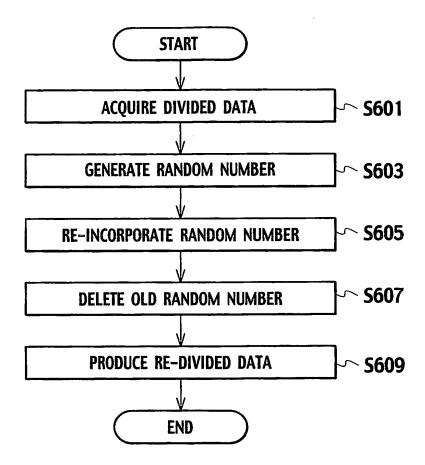


FIG. 13



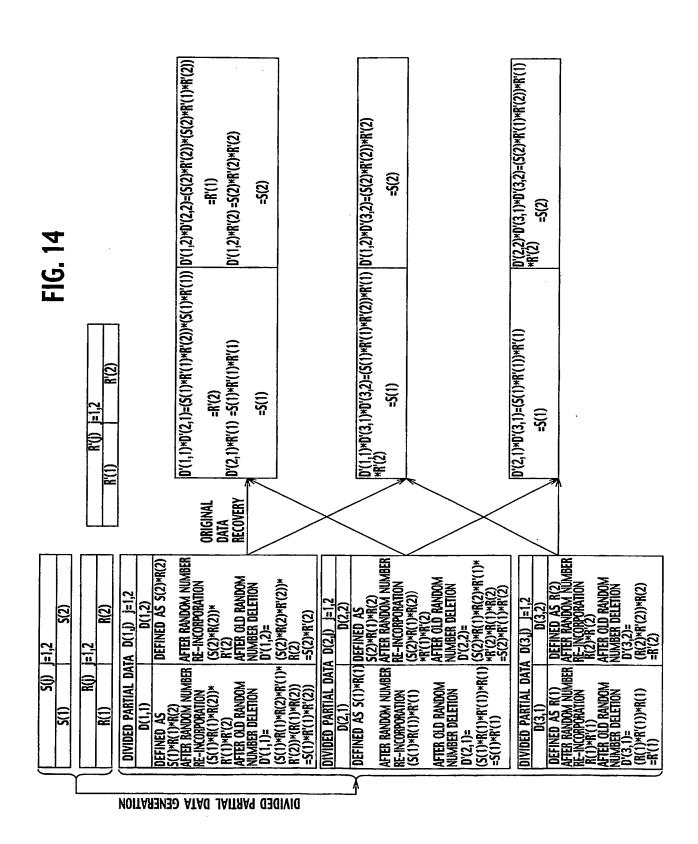


FIG. 15

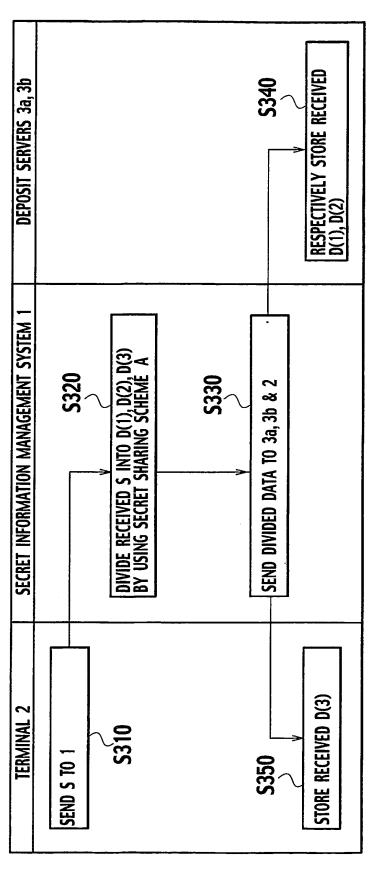
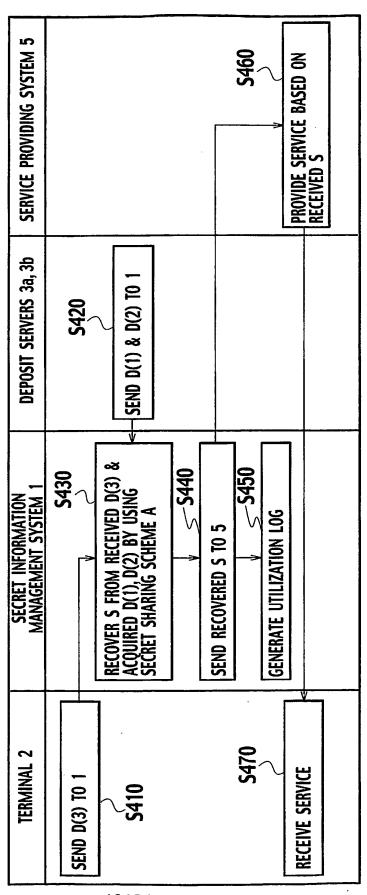
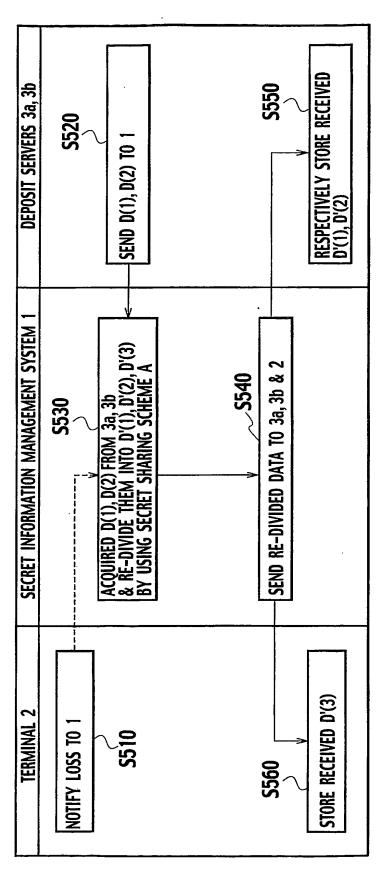


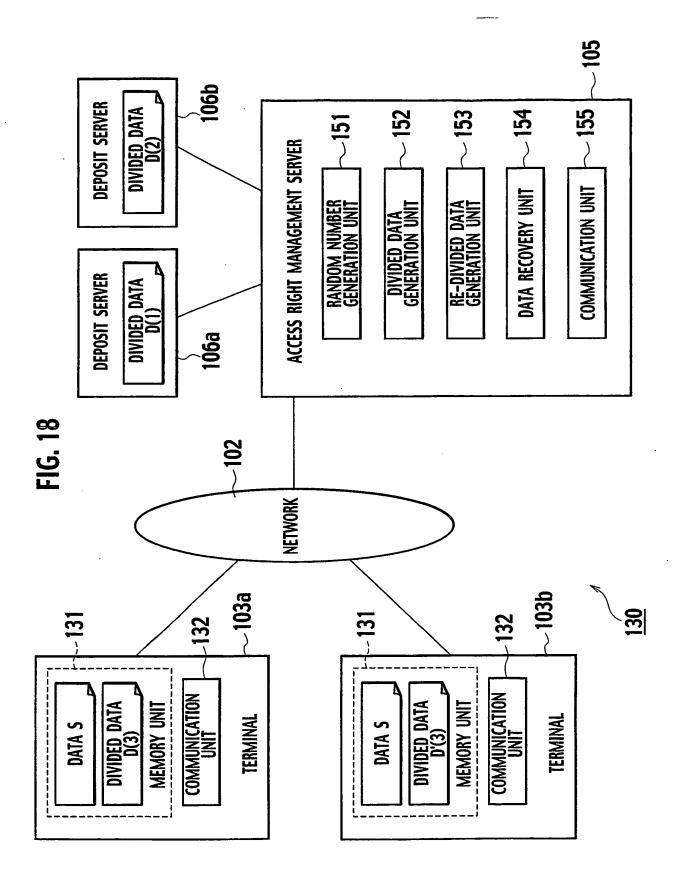
FIG. 16



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FIG. 17







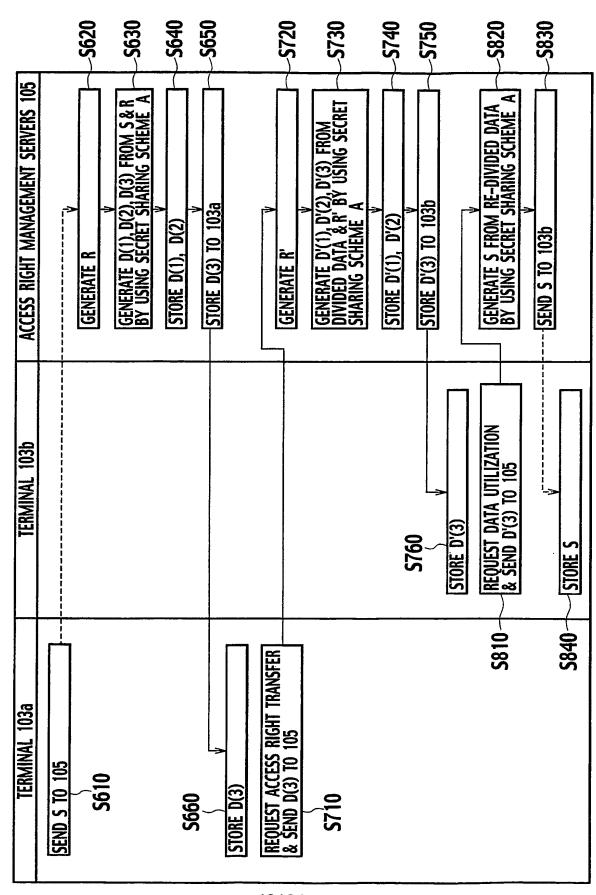
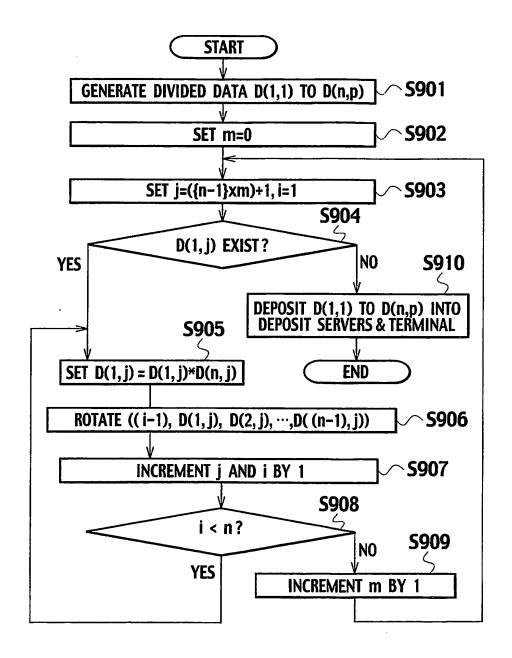


FIG. 20



ORIGINAL		FIG. 21		
VALUE OF j	1	2	8	-
ORIGINAL DATA S(j)	5(1)	5(2)	S(3)	
RANDOM NUMBER R(j)	R(1)	R(2)	R(3)	-
DIVIDED PARTIAL DATA D(1,j)	DATA D(1,j) S(1)*R(1)*R(2)*R(3)	S(2)*R(1)*R(2)*R(3)	S(3)*R(1)*R(2)*R(3)	-
DIVIDED PARTIAL DATA D(2,j)	S(1)*R(1)*R(2)	S(2) *R(2)*R(3)	S(3)*R(1) *R(3)	-
DIVIDED PARTIAL DATA D(3,j)	S(1)*R(1)	S(2) *R(2)	S(3) *R(3)	
DIVIDED PARTIAL DATA D(4,j)	R(1)	R(2)	R(3)	
		۵	٥	
	ROTATE (1, D(ROTATE (1, D(1, 2), D(2, 2), D(3, 2))	٥	
		&	ROTATE (2, D(1, 3), D(2, 3), D(3, 3))	, D(3, 3))
		D	>	
IMPROVEMENT			>	
VALUE OF j	1	2	3	
ORIGINAL DATA S(j)	5(1)	5(2)	S(3)	
RANDOM NUMBER R(j)	R(1)	R(2)	R(3)	-
DIVIDED PARTIAL DATA D(1,j)	S(1)*R(1)*R(2)*R(3)	S(2) *R(2)	S(3)*R(1) *R(3)	-
DIVIDED PARTIAL DATA D(2,j)	S(1)*R(1)*R(2)	S(2)*R(1)*R(2)*R(3)	S(3) *R(3)	
DIVIDED PARTIAL DATA D(3,j)	S(1)*R(1)	S(2) *R(2)*R(3)	S(3)*R(1)*R(2) *R(3)	
DIVIDED PARTIAL DATA D(4,j)	R(1)	R(2)	R(3)	

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•	j=3m+1	j+1	j+2	
:	(Ds	S(j+1)	S(J+2)	• •
-	R(j)	R(j+1)	R(J+2)	-
:	S(j)*R(j)*R(j+1)*R(j+2)	S(j+1)*R(j)*R(j+1)*R(j+2)	S(J+2)*R(J)*R(J+1)*R(J+2)	
:	S(j)*R(j)*R(j+1)	S(j+1) *R(j+1)*R(j+2)	S(J+2)*R(j) *R(J+2)	-
	S(j)*R(j)	S(j+1) *R(j+1)	S(j+1) *R(j+2)	
	R(j)	*R(j+1)	*R(j+2)	
		Δ	Δ	
	ROTAT	ROTATE (1, D(1, j+1), D(2, j+1), D(3, j+1)) \(\triangle \)	√ ROTATE (2, D(1, j+2), D(2, j+2), D(3, j+2))	j+2), D(3, j+2))
		Þ	>	
IMPROVEMENT	=	٥	Δ	
	j=3m+1	1+1	J+2	
	(Ds	S(J+1)	S(J+2)	
-	R(j)	R(j+1)	R(J+2)	
	S(j)*R(j+1)*R(j+2)	S(j+1) *R(j+1)	S(j+2)*R(j) *R(j+2)	•
•	S(j)*R(j)*R(j+1)	S(j+1)*R(j) *R(j+1) *R(j+2)	S(j+2) *R(j+2)	
•	S(J)*R(J)	S(j+1) *R(j+1)*R(j+2)	S(j+2)*R(j)*R(j+1) *R(j+2)	
•	R(j)	*R(j+1)	*R(j+2)	• •

FIG. 23

	:		-	:	:				=)(4, 4))					: :	=	:		- -
	7			S(4)*R(1)*R(2)*R(3)*R(4)	S(4)*R(1)*R(2) *R(4)		11/11	3(4) *R(4)	*R(4)	٥	>	4,3)) $ riangle$	ROTATE (3, D(1, 4), D(2, 4), (3, 4), D(4, 4))		P	-		*R(3)*R(4) S(4)*R(1)*R(2) *P(4)			*B(1)*B(2)*B(2)	י ושוסטול וחייו / וחייו ו וחייו דול
3	6(3)	5(3)	n(3)	3(3)*K(1)*K(2)*K(3)*K(4) S(4)*K(1)*R(2)*R(3)*R(4)	S(3)*R(1) *R(3)*R(4)				*R(3)	>	4, 2)) ∇	ROTATE (2, D(1, 3), D(2, 3), (3, 3), D(4, 3))	∇ ROTATE	>		(2)3)	R(3)			*R(1)*R(2)*R(4)	S(3)*R(1) *R(3)*R(4)	
2	(2)5	B(7)	_	"N(1)"N(2)"N(4)	5(2) *R(2)*R(3)*R(4)	S(2) *R(2)*R(3)	*R(2)	(2)(2)	*K(2)	D	ROTATE (1, D(1, 2), D(2, 2), (3, 2), D(4, 2))	∇ ROTATE	▷	D		5(2)		*R(2)	S(2)*R(1)*R(2)*R(3)*R(4) S(3)	S(2) *R(2)*R(3)*R(4)	S(2) *R(2)*R(3)	121
	(1)		C(1)*R(1)*R(2)*D(3)*D(A)	(+)m.(c)m.(z)m.(1)m (1)c	*K(3)	S(1)*R(1)*R(2)	S(1)*R(1)		N.I.		ROTATE (1	5(1)	R(1)	S(1)*R(1)*R(2)*R(3)*R(4) S	R(3)	S(1)*R(1)*R(2)	S(1)*R(1)	
VALUE OF J	ORIGINAL DATA S(j)	RANDOM NUMBER R(i)	0713	DIVINED DADTIAL DATA DATA	DIVIDED PARTIAL DATA U(Z,J) S(1)*K(1)*K(Z)		 	+-	_	3/ 2				IMPROVEMENT	VALUE OF J		RANDOM NUMBER R(j)	DIVIDED PARTIAL DATA D(1,j) S(1)*R(1)*R(2)*R(3)*R(4) S(2)	DIVIDED PARTIAL DATA D(2,j) S(1)*R(1)*R(2)*			THE STATE OF

FIG. 24